

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: September 11, 2003, 14:13:56 ; Search time 24 Seconds  
(without alignments)  
893.817 Million cell updates/sec

Title: US-09-977-261-2

Perfect score: 2671

Sequence: 1 MAGRSLVSWRAFGCDNAE.....PASVSGQADAGSTRSPRQEP 507

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries.

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2671	100.0	507	US-08-426-509A-2	Sequence 2, Appl1
2	2671	100.0	507	US-08-232-545-2	Sequence 2, Appl1
3	2671	100.0	507	PCT-US95-05008-2	Sequence 2, Appl1
4	2664	99.7	507	US-08-604-989A-5	Sequence 5, Appl1
5	2445	91.5	527	US-09-315-928-2	Sequence 2, Appl1
6	2444	91.5	466	US-08-604-989A-4	Sequence 4, Appl1
7	2434.5	91.1	528	US-08-876-882-2	Sequence 2, Appl1
8	2012	75.3	386	US-09-741-154-4	Sequence 4, Appl1
9	2012	75.3	415	US-09-741-154-2	Sequence 3, Appl1
10	1269	47.5	246	US-08-604-989A-3	Sequence 3, Appl1
11	1245.5	46.6	450	US-08-426-509A-7	Sequence 7, Appl1
12	1245.5	46.6	450	US-08-232-545-7	Sequence 7, Appl1
13	1245.5	46.6	450	PCT-US95-05008-7	Sequence 7, Appl1
14	797	29.8	269	US-08-701-191A-35	Sequence 35, Appl1
15	768	28.8	258	US-09-035-706-3	Sequence 3, Appl1
16	768	28.8	258	US-08-955-841-3	Sequence 3, Appl1
17	768	28.8	258	US-09-390-425-3	Sequence 3, Appl1
18	768	28.8	258	US-09-566-906-3	Sequence 3, Appl1
19	742.5	27.8	509	US-09-039-555B-17	Sequence 17, Appl1
20	742.5	27.8	509	US-08-426-509A-18	Sequence 18, Appl1
21	742.5	27.8	509	US-09-457-040B-8	Sequence 8, Appl1
22	742.5	27.8	509	US-08-232-545-18	Sequence 18, Appl1
23	742.5	27.8	509	PCT-US95-05008-18	Sequence 18, Appl1
24	732	27.4	533	US-07-820-011A-2	Sequence 2, Appl1
25	732	27.4	533	PCT-US93-00445-2	Sequence 2, Appl1
26	727	27.2	536	US-07-820-011A-4	Sequence 4, Appl1
27	727	27.2	536	US-08-426-509A-13	Sequence 13, Appl1

28	727	27.2	536	US-08-232-545-13	Sequence 13, Appl1
29	727	27.2	536	PCT-US93-00445-4	Sequence 4, Appl1
30	727	27.2	536	PCT-US95-05008-13	Sequence 13, Appl1
31	720.5	27.0	505	US-08-426-509A-17	Sequence 17, Appl1
32	720.5	27.0	505	US-08-232-545-17	Sequence 17, Appl1
33	720.5	27.0	505	PCT-US95-05008-17	Sequence 17, Appl1
34	710	26.6	543	US-08-426-509A-14	Sequence 14, Appl1
35	710	26.6	543	US-08-232-545-14	Sequence 14, Appl1
36	710	26.6	543	PCT-US95-05008-14	Sequence 14, Appl1
37	707	26.5	512	US-08-426-509A-16	Sequence 16, Appl1
38	707	26.5	512	US-08-232-545-16	Sequence 16, Appl1
39	707	26.5	512	PCT-US95-05008-16	Sequence 16, Appl1
40	699.5	26.2	536	US-08-426-509A-12	Sequence 12, Appl1
41	699.5	26.2	536	US-08-232-545-12	Sequence 12, Appl1
42	699.5	26.2	536	PCT-US95-05008-12	Sequence 12, Appl1
43	699	26.2	499	US-08-426-509A-19	Sequence 19, Appl1
44	699	26.2	499	US-08-232-545-19	Sequence 19, Appl1
45	699	26.2	499	PCT-US95-05008-19	Sequence 19, Appl1

## ALIGNMENTS

RESULT 1  
US-08-426-509A-2  
; Sequence 2, Application US/08426509A  
; Patent No. 6326469  
; GENERAL INFORMATION:  
; APPLICANT: Ullrich, Axel  
; APPLICANT: Gishlitzky, Mikhail  
; APPLICANT: Sures, Irman G.  
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN  
; TITLE OF INVENTION: TYROSINE KINASES  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York,  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/426,509A  
; FILING DATE: 21-Apr-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/232,545  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Coruzzi, Laura A  
; REGISTRATION NUMBER: 30,742  
; REFERENCE/DOCKET NUMBER: 7683-0074-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-790-9090  
; TELEFAX: 212-869-9741  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 507 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: unknown  
; TOPOLOGY: unknown  
; MOLECULE TYPE: No. 6326469e  
; US-08-426-509A-2  
Query Match 100.0%; Score 2671; DB 4; Length 507;  
Best Local Similarity 100.0%; Pred. No. 2.7e-219;  
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVPSARMPTRRMAPGTQCTKCEHT 60
DB 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVPSARMPTRRMAPGTQCTKCEHT 60
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DB 61 RPKPELAFRRGDDVYTLIEACENKSMYRVKHHHTSGQEBLLAAGALREREALSADPKLSLM 120
QY 121 PMFHGKISGOEAVOQLOPPEDGLFLVRESARHPGDYVLCVSFGRDVIHYRVLHRDGHLLTI 180
DB 121 PMFHGKISGOEAVOQLOPPEDGLFLVRESARHPGDYVLCVSFGRDVIHYRVLHRDGHLLTI 180
QY 181 DEAFVFCULMDMVEHYSKDKGALCTKLVPRKRKHGTSKAEELARAGMLNLQHLTLGAQ 240
DB 181 DEAFVFCULMDMVEHYSKDKGALCTKLVPRKRKHGTSKAEELARAGMLNLQHLTLGAQ 240
QY 241 IGEFEGFVAVLOGEYIGOKVAANKICDVTAAQAFLEDTAVMTKMOHENLVRLLGVTLHGGL 300
DB 241 IGEFEGFVAVLOGEYIGOKVAANKICDVTAAQAFLEDTAVMTKMOHENLVRLLGVTLHGGL 300
QY 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQFSLHVAEGMEYLESKLLVHRDLAARNILY 360
DB 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQFSLHVAEGMEYLESKLLVHRDLAARNILY 360
QY 361 SEDLVAKYSDPGLAKAEKRGDSSRLPYKWTAPALKKGKFTSKSDVMSFGVLLMEVFSY 420
DB 361 SEDLVAKYSDPGLAKAEKRGDSSRLPYKWTAPALKKGKFTSKSDVMSFGVLLMEVFSY 420
QY 421 GRAPYPKKSLKEVSAVEKGYRMEPPBECGPGVHVLMSSCWEAFARPPPRKLAEKLAR 480
DB 421 GRAPYPKKSLKEVSAVEKGYRMEPPBECGPGVHVLMSSCWEAFARPPPRKLAEKLAR 480
QY 481 ELRSAGAPASVSGODADGSTSPRSQEP 507
DB 481 ELRSAGAPASVSGODADGSTSPRSQEP 507

RESULT 2
; Sequence 2, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizsky, Mikhail
; TITLE OF INVENTION: Sures, Irmann G.
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
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; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 507 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-2

Query Match          100.0%; Score 2671; DB 4; Length 507;
Best Local Similarity 100.0%; Pred. No. 2,7e-219;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVPSARMPTRRMAPGTQCTKCEHT 60
DB 1 MAGRSLVSWRAFHGCDASBELPRVSPRFLRAMHPPVPSARMPTRRMAPGTQCTKCEHT 60
QY 61 RPKPELAFRRGDDVYTLIEACENKSMYRVKHHHTSGQEBLLAAGALREREALSADPKLSLM 120
DB 61 RPKPELAFRRGDDVYTLIEACENKSMYRVKHHHTSGQEBLLAAGALREREALSADPKLSLM 120
QY 121 PMFHGKISGOEAVOQLOPPEDGLFLVRESARHPGDYVLCVSFGRDVIHYRVLHRDGHLLTI 180
DB 121 PMFHGKISGOEAVOQLOPPEDGLFLVRESARHPGDYVLCVSFGRDVIHYRVLHRDGHLLTI 180
QY 181 DEAFVFCULMDMVEHYSKDKGALCTKLVPRKRKHGTSKAEELARAGMLNLQHLTLGAQ 240
DB 181 DEAFVFCULMDMVEHYSKDKGALCTKLVPRKRKHGTSKAEELARAGMLNLQHLTLGAQ 240
QY 241 IGEFEGFVAVLOGEYIGOKVAANKICDVTAAQAFLEDTAVMTKMOHENLVRLLGVTLHGGL 300
DB 241 IGEFEGFVAVLOGEYIGOKVAANKICDVTAAQAFLEDTAVMTKMOHENLVRLLGVTLHGGL 300
QY 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQFSLHVAEGMEYLESKLLVHRDLAARNILY 360
DB 301 YIYMEHVSQGNLVNLFRTGRALVNTAQLQFSLHVAEGMEYLESKLLVHRDLAARNILY 360
QY 361 SEDLVAKYSDPGLAKAEKRGDSSRLPYKWTAPALKKGKFTSKSDVMSFGVLLMEVFSY 420
DB 361 SEDLVAKYSDPGLAKAEKRGDSSRLPYKWTAPALKKGKFTSKSDVMSFGVLLMEVFSY 420
QY 421 GRAPYPKKSLKEVSAVEKGYRMEPPBECGPGVHVLMSSCWEAFARPPPRKLAEKLAR 480
DB 421 GRAPYPKKSLKEVSAVEKGYRMEPPBECGPGVHVLMSSCWEAFARPPPRKLAEKLAR 480
QY 481 ELRSAGAPASVSGODADGSTSPRSQEP 507
DB 481 ELRSAGAPASVSGODADGSTSPRSQEP 507

RESULT 3
; PCT-US95-05008-2
; Sequence 2, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
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MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/05008  
CLASSIFICATION:  
FILING DATE: 24-APR-1995  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/232,545  
FILING DATE: 22-APR-1994  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7683-074  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)790-9090  
TELEFAX: (212)869-9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 507 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
PCT-US95-05008-2

Query Match 100.0%; Score 2671; DB 5; Length 507;  
Best Local Similarity 100.0%; Pred. No. 2.7e-219;  
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRGSLSVSRARHAGCDASAEELPRVSPRFLRAHMPVVSARMPTRRAPCTCITKCEHT 60  
DB 1 MAGRGSLSVSRARHAGCDASAEELPRVSPRFLRAHMPVVSARMPTRRAPCTCITKCEHT 60  
QY 61 RPKPGEIAFRKGDVVTLLACENKSMYRVKHNHTSGOGLAAGALRREALSADPKLSLM 120  
DB 61 RPKPGEIAFRKGDVVTLLACENKSMYRVKHNHTSGOGLAAGALRREALSADPKLSLM 120  
QY 121 PWFHKGISGOEAVOQLOPPEDGFLVRESARHPGDVYLCVSGRDVYHYVLRHGHLLTI 180  
DB 121 PWFHKGISGOEAVOQLOPPEDGFLVRESARHPGDVYLCVSGRDVYHYVLRHGHLLTI 180  
QY 181 DEAVFPCNLMDVNEHYSKDGAICTKLVPRKRKHGTSABEELARAGWLNLOHLLTGAQ 240  
DB 181 DEAVFPCNLMDVNEHYSKDGAICTKLVPRKRKHGTSABEELARAGWLNLOHLLTGAQ 240  
QY 241 IGESEFGAVLQGEYLGOKVAVNKICDVTQAFLDETAVMTKMOHENLVRLGLIHOGL 300  
DB 241 IGESEFGAVLQGEYLGOKVAVNKICDVTQAFLDETAVMTKMOHENLVRLGLIHOGL 300  
QY 301 YIWEHYSKGNLVNFLTGRALVNTAQLLOFSLHVAEGMEYLESKKLVHRDLAARNILV 360  
DB 301 YIWEHYSKGNLVNFLTGRALVNTAQLLOFSLHVAEGMEYLESKKLVHRDLAARNILV 360  
QY 361 SEDLVAVSPDFGLAKARKRLDSSRLPVKWTAPALKHGFTSKSDVMSGCVLLMEVFSY 420  
DB 361 SEDLVAVSPDFGLAKARKRLDSSRLPVKWTAPALKHGFTSKSDVMSGCVLLMEVFSY 420  
QY 421 GRAPYPMSLKEVSEAVEKGYRMEPPGCGPYHVLMSQWEAPARPPFRKLAETLAR 480  
DB 421 GRAPYPMSLKEVSEAVEKGYRMEPPGCGPYHVLMSQWEAPARPPFRKLAETLAR 480  
QY 481 ELNSAGAPASVSGODADGSTSPRSQEP 507  
DB 481 ELNSAGAPASVSGODADGSTSPRSQEP 507

RESULT 4  
US-08-604-989A-5  
; Sequence 5, Application US/08604989A

Patent No. 5834208  
GENERAL INFORMATION:  
APPLICANT: Sakano, S.  
TITLE OR INVENTION: No. 5834208el Tyrosine Kinase  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
City: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/604,989A  
FILING DATE: February 23, 1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Charles E. Miller  
REGISTRATION NUMBER: 24,576  
REFERENCE/DOCKET NUMBER: 1920-026  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-8864/9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 507 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
ORIGINAL SOURCE:  
ORGANISM: human  
STRAIN: UT-7  
US-08-604-989A-5

Query Match 99.7%; Score 2664; DB 2; Length 507;  
Best Local Similarity 99.8%; Pred. No. 1e-218;  
Matches 506; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MAGRGSLSVSRARHAGCDASAEELPRVSPRFLRAHMPVVSARMPTRRAPCTCITKCEHT 60  
DB 1 MAGRGSLSVSRARHAGCDASAEELPRVSPRFLRAHMPVVSARMPTRRAPCTCITKCEHT 60  
QY 61 RPKPGEIAFRKGDVVTLLACENKSMYRVKHNHTSGOGLAAGALRREALSADPKLSLM 120  
DB 61 RPKPGEIAFRKGDVVTLLACENKSMYRVKHNHTSGOGLAAGALRREALSADPKLSLM 120  
QY 121 PWFHKGISGOEAVOQLOPPEDGFLVRESARHPGDVYLCVSGRDVYHYVLRHGHLLTI 180  
DB 121 PWFHKGISGOEAVOQLOPPEDGFLVRESARHPGDVYLCVSGRDVYHYVLRHGHLLTI 180  
QY 181 DEAVFPCNLMDVNEHYSKDGAICTKLVPRKRKHGTSABEELARAGWLNLOHLLTGAQ 240  
DB 181 DEAVFPCNLMDVNEHYSKDGAICTKLVPRKRKHGTSABEELARAGWLNLOHLLTGAQ 240  
QY 241 IGESEFGAVLQGEYLGOKVAVNKICDVTQAFLDETAVMTKMOHENLVRLGLIHOGL 300  
DB 241 IGESEFGAVLQGEYLGOKVAVNKICDVTQAFLDETAVMTKMOHENLVRLGLIHOGL 300  
QY 301 YIWEHYSKGNLVNFLTGRALVNTAQLLOFSLHVAEGMEYLESKKLVHRDLAARNILV 360  
DB 301 YIWEHYSKGNLVNFLTGRALVNTAQLLOFSLHVAEGMEYLESKKLVHRDLAARNILV 360  
QY 361 SEDLVAVSPDFGLAKARKRLDSSRLPVKWTAPALKHGFTSKSDVMSGCVLLMEVFSY 420  
DB 361 SEDLVAVSPDFGLAKARKRLDSSRLPVKWTAPALKHGFTSKSDVMSGCVLLMEVFSY 420  
QY 421 GRAPYPMSLKEVSEAVEKGYRMEPPGCGPYHVLMSQWEAPARPPFRKLAETLAR 480  
DB 421 GRAPYPMSLKEVSEAVEKGYRMEPPGCGPYHVLMSQWEAPARPPFRKLAETLAR 480

DB 421 GRAPPKSLKEVSAVEKGYRMEPPGCGPVHVLMSCEAEPRRPFKLEKLAR 480  
QY 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507  
DB 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 5  
US-09-315-928-2  
; Sequence 2, Application US/09315928  
; Patent No. 6368796  
; GENERAL INFORMATION:  
; APPLICANT: Avraham, Hava  
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF  
; TITLE OF INVENTION: BREAST CANCER  
; FILE REFERENCE: NEDH97-01PAZ  
; CURRENT APPLICATION NUMBER: US/09/315,928  
; CURRENT FILING DATE: 1999-05-20  
; PRIOR APPLICATION NUMBER: US 08/876,882  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: US 60/035,228  
; PRIOR FILING DATE: 1997-01-08  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 527.  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-315-928-2

Query Match 91.5%; Score 2445; DB 4; Length 527;  
Best Local Similarity 93.5%; Pred. No. 4.9e-200;  
Matches 472; Conservative 1; Mismatches 18; Indels 14; Gaps 2;

QY 1 MAGRSLSVSMRAFHCCDSAEELPRVSPRFLRAMHPPVSARMPTRRRARPTGTCITKCEHT 60  
DB 1 MAGRSLSVSMRAFHCCDSAEELPRVSPRFLRAMHPPVSARMPTRRRARPTGTCITKCEHT 60  
QY 61 RPKPELAFRKGDVVTILEACENKSMYRVKHNHTSGOEGLLAAGALREBELSADPKLSLM 120  
DB 61 RPKPELAFRKGDVVTILEACENKSMYRVKHNHTSGOEGLLAAGALREBELSADPKLSLM 120  
QY 121 PMFHGKISGQEAVALQPPEDGLFLVRESARHPGDIYLCVSGRDVYIHYRVLHRDGHLLTI 180  
DB 121 PMFHGKISGQEAVALQPPEDGLFLVRESARHPGDIYLCVSGRDVYIHYRVLHRDGHLLTI 180  
QY 181 DEAVFECNLMDMVEHYSKDKGALCTKLVPRKRRHGTGSAEEELARAGWLLNQLHLLTGAQ 240  
DB 181 DEAVFECNLMDMVEHYSKDKGALCTKLVPRKRRHGTGSAEEELARAGWLLNQLHLLTGAQ 240  
QY 241 IGEFGFAGVLOGEYTGOKVAVNIKCDVTAQAFLEDTAVMTKMOHENLYRLGLVILLHQL 300  
DB 241 IGEFGFAGVLOGEYTGOKVAVNIKCDVTAQAFLEDTAVMTKMOHENLYRLGLVILLHQL 300  
QY 301 YIYMEHVSNGNLVNLRTGRALVNTAQLQSLHVAEGMEYLESKLVHRDLAARNILY 360  
DB 301 YIYMEHVSNGNLVNLRTGRALVNTAQLQSLHVAEGMEYLESKLVHRDLAARNILY 360  
QY 361 SEDLVAKYSDGLAAERKGLDSSRLPYKWTAPPEALTKGKPTSKSDVMSFGVLLMEVSY 420  
DB 361 SEDLVAKYSDGLAAERKGLDSSRLPYKWTAPPEALTKGKPTSKSDVMSFGVLLMEVSY 420  
QY 421 GRAPPKSLKEVSAVEKGYRMEPPGCGPVHVLMSCEAEPRRPFKLEKLAR 480  
DB 421 GRAPPKSLKEVSAVEKGYRMEPPGCGPVHVLMSCEAEPRRPFKLEKLAR 480  
QY 481 ELRSAGAPASVSGQDADGSTSPRSQ 505  
DB 481 ELRSAGAPASVSGQDADGSTSPRSQ 505  
QY 470 ---SAMPBRSMGSAVAOVQPPSQ 491  
DB 470 ---SAMPBRSMGSAVAOVQPPSQ 491

RESULT 6  
US-08-604-989A-4  
; Sequence 4, Application US/08604989A  
; Patent No. 5834208  
; GENERAL INFORMATION:  
; APPLICANT: Sakano, S.  
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036-2711  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/604,989A  
; FILING DATE: February 23, 1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Charles E. Miller  
; REGISTRATION NUMBER: 24,576  
; REFERENCE/DOCKET NUMBER: 1920-026  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-8864/9741  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 466 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; ORIGINAL SOURCE:  
; ORGANISM: human  
; STRAIN: UT-7  
US-08-604-989A-4

Query Match 91.5%; Score 2444; DB 2; Length 466;  
Best Local Similarity 100.0%; Pred. No. 5e-200;  
Matches 466; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 MPTRRWAGTQCITKCEHTRRPKPELAFRKGDVVTILEACENKSMYRVKHNHTSGOEGLLA 101  
DB 1 MPTRRWAGTQCITKCEHTRRPKPELAFRKGDVVTILEACENKSMYRVKHNHTSGOEGLLA 101  
QY 102 AGALRERELASADPKLSLMPWFHKGISGQEAVALQPPEDGLFLVRESARHPGDIYLCVS 161  
DB 61 AGALRERELASADPKLSLMPWFHKGISGQEAVALQPPEDGLFLVRESARHPGDIYLCVS 120  
QY 162 FGRDVIHYRVLHRDGHLLTIDEAVFECNLMDMVEHYSKDKGALCTKLVPRKRRHGTGSAEE 221  
DB 162 FGRDVIHYRVLHRDGHLLTIDEAVFECNLMDMVEHYSKDKGALCTKLVPRKRRHGTGSAEE 180  
QY 222 ELARAGWLLNQLHLLTGAQIGERFAGVLOGEYTGOKVAVNIKCDVTAQAFLEDTAVMT 281  
DB 222 ELARAGWLLNQLHLLTGAQIGERFAGVLOGEYTGOKVAVNIKCDVTAQAFLEDTAVMT 240  
QY 282 KMOHENLYRLGLVILLHQLYIYMEHVSNGNLVNLRTGRALVNTAQLQSLHVAEGME 341  
DB 241 KMOHENLYRLGLVILLHQLYIYMEHVSNGNLVNLRTGRALVNTAQLQSLHVAEGME 300  
QY 342 YLESKLVHRDLAARNILYSEDLVAKYSDGLAAERKGLDSSRLPYKWTAPPEALTKGKF 401  
DB 301 YLESKLVHRDLAARNILYSEDLVAKYSDGLAAERKGLDSSRLPYKWTAPPEALTKGKF 360  
QY 402 TSKSDVMSFGVLLMEVSYGRAPPKSLKEVSAVEKGYRMEPPGCGPVHVLMSCEW 461  
DB 402 TSKSDVMSFGVLLMEVSYGRAPPKSLKEVSAVEKGYRMEPPGCGPVHVLMSCEW 461

Db 361 TSKSDVMSFGVLLMEVSYGRAPYPKMSLKEVSEAVEKGYRMEPPGCCPGVHVLMSSCW 420  
QY 462 EAPRARRPPRKLAEKLARELSAGAPASVSGODADGSTSPRSOEP 507  
Db 421 EAPRARRPPRKLAEKLARELSAGAPASVSGODADGSTSPRSOEP 466

## RESULT 7

US-08-876-882-2  
; Sequence 2, Application US/08876882  
; Patent No. 5981201  
; GENERAL INFORMATION:  
; APPLICANT: Avraham, Hava  
; APPLICANT: Groopman, Jerome E.  
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT  
; TITLE OF INVENTION: OF BREAST CANCER  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02173-4799  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: FASTSEQ for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/876,882  
; FILING DATE: 16-JUN-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/035,228  
; FILING DATE: 08-JAN-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Doreen, Hogle M  
; REGISTRATION NUMBER: 36,361  
; REFERENCE/DOCKET NUMBER: NEDH97-01PA  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 781-861-6240  
; TELEFAX: 781-861-9540  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 528 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; FRAGMENT TYPE: internal  
; US-08-876-882-2

Query Match 91.3%; Score 2434.5; DB 2; Length 528;  
Best Local Similarity 93.3%; Pred. No. 3.8e-199;  
Matches 472; Conservative 1; Mismatches 18; Indels 15; Gaps 3;

QY 1 MAGRGSIVSRATHGCDASAEELPRVSPRFLRANHPRVVSARMPTRRRABGTCTTCKEHT 60  
Db 1 MAGRGSIVSRATHGCDASAEELPRVSPRFLRANHPRVVSARMPTRRRABGTCTTCKEHT 60  
QY 61 RPPRGLAEFRKGDVVT-LEACENKSKYRYKHNHSGOEGLLAAGALREELASDPKLTSL 119  
Db 61 RPPRGLAEFRKGDVVT-LEACENKSKYRYKHNHSGOEGLLAAGALREELASDPKLTSL 120  
QY 120 MPWFHGKISGOEAVOQLQPPEDGLFLVRESARHPGDVYLCVSFGRDVIHYRVLHRDGLT 179  
Db 120 MPWFHGKISGOEAVOQLQPPEDGLFLVRESARHPGDVYLCVSFGRDVIHYRVLHRDGLT 180  
QY 180 IDEAVFPCNLMQVNEHYSKDKGALCTKLVPRKRKHGTSABEELARAGWLLNQHLLTGA 239  
Db 180 IDEAVFPCNLMQVNEHYSKDKGALCTKLVPRKRKHGTSABEELARAGWLLNQHLLTGA 240

QY 240 QIGEGFGAVLQGEYLGOKVAVANKIKCDVTAQAFLEDTAVMTKMOHENLVRLGLVILHOG 299  
Db 241 QIGEGFGAVLQGEYLGOKVAVANKIKCDVTAQAFLEDTAVMTKMOHENLVRLGLVILHOG 300  
QY 300 LYIYMEHVSNGNLVNFRTGRALVNTAQLDPSLHVAEEMYLESKKLVHRDLAARNIL 359  
Db 301 LYIYMEHVSNGNLVNFRTGRALVNTAQLDPSLHVAEEMYLESKKLVHRDLAARNIL 360  
QY 360 VSEDLVAKVSDPGLAKERKGLDSSRLPVKWTAPREALKHGKFTSKSDVMSFGVLLMEVFS 419  
Db 361 VSEDLVAKVSDPGLAKERKGLDSSRLPVKWTAPREALKHG-FTSKSDVMSFGVLLMEVFS 419  
QY 420 YGRAPYKMSLKEVSEAVEKGYRMEPPGCCPGVHVLMSSCWAEAPRARRPPRKLAEKLA 479  
Db 420 YGRAPYKMSLKEVSEAVEKGYRMEPPGCCPGVHVLMSSCWAEAPRARRPPRKLAEKLA 479  
QY 480 RELRSAGAPASVSGODADGSTSPRSQ 505  
Db 471 ----SANNPMSWGSYAVQVPPPSQ 492

## RESULT 8

US-09-741-154-4  
; Sequence 4, Application US/09741154  
; Patent No. 6437110  
; GENERAL INFORMATION:  
; APPLICANT: BEASLEY, Ellen M. et al  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CLO01061  
; CURRENT APPLICATION NUMBER: US/09/741,154  
; CURRENT FILING DATE: 2000-12-21  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 386  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-741-154-4

Query Match 75.3%; Score 10212; DB 4; Length 386;  
Best Local Similarity 100.0%; Pred. No. 2.4e-163;  
Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 122 WFHGKISGOEAVOQLQPPEDGLFLVRESARHPGDVYLCVSFGRDVIHYRVLHRDGLTID 181  
Db 1 WFHGKISGOEAVOQLQPPEDGLFLVRESARHPGDVYLCVSFGRDVIHYRVLHRDGLTID 181  
QY 182 EAVFPCNLMQVNEHYSKDKGALCTKLVPRKRKHGTSABEELARAGWLLNQHLLTGAOI 241  
Db 182 EAVFPCNLMQVNEHYSKDKGALCTKLVPRKRKHGTSABEELARAGWLLNQHLLTGAOI 240  
QY 61 EAVFPCNLMQVNEHYSKDKGALCTKLVPRKRKHGTSABEELARAGWLLNQHLLTGAOI 120  
Db 61 EAVFPCNLMQVNEHYSKDKGALCTKLVPRKRKHGTSABEELARAGWLLNQHLLTGAOI 120  
QY 242 GEGEFGAVLQGEYLGOKVAVANKIKCDVTAQAFLEDTAVMTKMOHENLVRLGLVILHOG 301  
Db 242 GEGEFGAVLQGEYLGOKVAVANKIKCDVTAQAFLEDTAVMTKMOHENLVRLGLVILHOG 300  
QY 302 IYMEHVSNGNLVNFRTGRALVNTAQLDPSLHVAEEMYLESKKLVHRDLAARNIL 361  
Db 302 IYMEHVSNGNLVNFRTGRALVNTAQLDPSLHVAEEMYLESKKLVHRDLAARNIL 360  
QY 181 IYMEHVSNGNLVNFRTGRALVNTAQLDPSLHVAEEMYLESKKLVHRDLAARNIL 240  
Db 181 IYMEHVSNGNLVNFRTGRALVNTAQLDPSLHVAEEMYLESKKLVHRDLAARNIL 240  
QY 362 EDLVAKVSDPGLAKERKGLDSSRLPVKWTAPREALKHGKFTSKSDVMSFGVLLMEVFS 421  
Db 362 EDLVAKVSDPGLAKERKGLDSSRLPVKWTAPREALKHGKFTSKSDVMSFGVLLMEVFS 420  
QY 422 RAPPYKMSLKEVSEAVEKGYRMEPPGCCPGVHVLMSSCWAEAPRARRPPRKLAEKLA 481  
Db 422 RAPPYKMSLKEVSEAVEKGYRMEPPGCCPGVHVLMSSCWAEAPRARRPPRKLAEKLA 480  
QY 482 LRSAGAPASVSGODADGSTSPRSOEP 507  
Db 482 LRSAGAPASVSGODADGSTSPRSOEP 506

RESULT 9  
 US-09-741-154-2  
 ; Sequence 2, Application US/09741154  
 ; Patent No. 6437110  
 ; APPLICANT: BEASLEY, Ellen M. et al  
 ; GENERAL INFORMATION:  
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
 ; FILE REFERENCE: C1001061  
 ; CURRENT APPLICATION NUMBER: US/09/741,154  
 ; CURRENT FILING DATE: 2000-12-21  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FASTSEQ for Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 415  
 ; TYPE: PRF  
 ; ORGANISM: Human  
 US-09-741-154-2

Query Match 75.3%; Score 2012; DB 4; Length 415;  
 Best Local Similarity 100.0%; Pred. No. 2,6e-163;  
 Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 122 WFGKISGQEAAYQOLQPPEDGLFLYRESARHPGDYVLCVSEGRDYIHYRVLHRDGLHTD 181  
 DB 30 WFGKISGQEAAYQOLQPPEDGLFLYRESARHPGDYVLCVSEGRDYIHYRVLHRDGLHTD 89  
 QY 182 EAVFCNLMADWEHYSKDGAICTKLVPRKRGKTSAREELARAGWILNIOHTLTGAI 241  
 DB 90 EAVFCNLMADWEHYSKDGAICTKLVPRKRGKTSAREELARAGWILNIOHTLTGAI 149  
 QY 242 GEGEGAVLQGEYLLQKVAANKIKCDVTAQAFLEDAVTAKMOHENVLLGLVILHOGLY 301  
 DB 150 GEGEGAVLQGEYLLQKVAANKIKCDVTAQAFLEDAVTAKMOHENVLLGLVILHOGLY 209  
 QY 302 IYMEHYSKGNLVNLTGRALVNTAQLQFSLHVAEGMEYLESKLVARDLAARNILVS 361  
 DB 210 IYMEHYSKGNLVNLTGRALVNTAQLQFSLHVAEGMEYLESKLVARDLAARNILVS 269  
 QY 362 EDLVAKVSDFGGLAKAERKGLDSSRLPVKWTAPALKHGFTSKSDVMSGVLIMEVFSYG 421  
 DB 270 EDLVAKVSDFGGLAKAERKGLDSSRLPVKWTAPALKHGFTSKSDVMSGVLIMEVFSYG 329  
 QY 422 RAPIYKMSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEAPARRPFRKLAELARE 481  
 DB 330 RAPIYKMSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEAPARRPFRKLAELARE 389  
 QY 482 ILSAGAPASVSGDADGSTSPRSQEP 507  
 DB 390 ILSAGAPASVSGDADGSTSPRSQEP 415

RESULT 10  
 US-08-604-989A-3  
 ; Sequence 3, Application US/08604989A  
 ; Patent No. 5834208  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Sakano, S.  
 ; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds LLP  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/604,989A  
 ; FILING DATE: February 23, 1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Charles E. Miller  
 ; REGISTRATION NUMBER: 24,576  
 ; REFERENCE/DOCKET NUMBER: 1920-026  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (212) 790-9090  
 ; TELEFAX: (212) 869-8864/9741  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 246 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: human  
 ; STRAIN: UT-7  
 US-08-604-989A-3

Query Match 47.5%; Score 1269; DB 2; Length 246;  
 Best Local Similarity 100.0%; Pred. No. 2,4e-100;  
 Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 233 OHLTLGAQIGEGEFANVLOGEYLGOKVAVKNIKCDVTAQAFLEDAVTAKMOHENVLL 292  
 DB 1 OHLTLGAQIGEGEFANVLOGEYLGOKVAVKNIKCDVTAQAFLEDAVTAKMOHENVLL 60  
 QY 293 GVLHOGLYIYMEHYSKGNLVNLTGRALVNTAQLQFSLHVAEGMEYLESKLVARD 352  
 DB 61 GVLHOGLYIYMEHYSKGNLVNLTGRALVNTAQLQFSLHVAEGMEYLESKLVARD 120  
 QY 353 LAARNILVSEDLVAVVSDFGGLAKAERKGLDSSRLPVKWTAPALKHGFTSKSDVMSGCV 412  
 DB 121 LAARNILVSEDLVAVVSDFGGLAKAERKGLDSSRLPVKWTAPALKHGFTSKSDVMSGCV 180  
 QY 413 ILMVEFSYGRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEAPARRPFR 472  
 DB 181 ILMVEFSYGRAPYPMKSLKEVSEAVEKGYRMEPEGCGPVHVLMSSCWEAEAPARRPFR 240  
 QY 473 KLAERL 478  
 DB 241 KLAERL 246

RESULT 11  
 US-08-426-509A-7  
 ; Sequence 7, Application US/08426509A  
 ; Patent No. 6326469  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ullrich, Axel  
 ; APPLICANT: Gishizsky, Mikhail  
 ; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN  
 ; TITLE OF INVENTION: TYROSINE KINASES  
 ; NUMBER OF SEQUENCES: 21  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FASTSEQ Version 2.0  
 ; CURRENT APPLICATION DATA:

```

1  APPLICATION NUMBER:  US/08/426,509A
2  FILING DATE:  21-APR-1995
3  CLASSIFICATION:  435
4  PRIOR APPLICATION DATA:
5  APPLICATION NUMBER:  08/232,545
6  FILING DATE:
7  ATTORNEY/AGENT INFORMATION:
8  NAME:  Coruzzi, Laura A
9  REGISTRATION NUMBER:  30,742
10 REFERENCE/DOCKET NUMBER:  7683-0074-999
11 TELECOMMUNICATION INFORMATION:
12 TELEPHONE:  212-790-9090
13 TELEFAX:  212-869-9741
14 TELEX:  66141 PENNIE
15 INFORMATION FOR SEQ ID NO:  7:
16     SEQUENCE CHARACTERISTICS:
17         LENGTH:  450 amino acids
18         TYPE:  amino acid
19         STRANDEDNESS:  unknown
20         TOPOLOGY:  unknown
21     MOLECULE TYPE:  NO. 6326469e
22     US-08-426-509A-7

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Query Match	46.6%	Score 1245.5	DB 4	Length 450
Best Match Similarity	54.1%	Pred. No. 5.3e-98		
Matches 235	Conservative 81	Mismatches 115	Indels 3	Gaps 2

QY	47	MAEGTGCIRKCENTRRKPEELAFRRGDDVYTLIACENKSVYRVKHNHSGOGLLAAGALR	106
		:         :         : : :     :         : :	
Db	8	WPSGTCLAKYNFHHGAEDDLFPCKGDVLTIVATYKDPNNYKAAKNV-GREGITIPANYQ	66
QY	107	EREALSADPKLSLMPWFHKGISGOEVAOOLQPEDGLFLYRESARHPGDVYLVCSFGD	166
Db	67	KRGVYKAGKRLSLMPWFHKGITREDOEBRLTPRETGLFLYRESNPNYGGDYTLVCSGKV	126
QY	167	IHRVLYRHOGHLTIDEAVPFCMLMVBHYSKDGAICOTKYVRKRRKHGRKSAEELARA	226
Db	127	EYRIYVHAASKLSIDEVYIFENLMQVLEHYTSDADGLCTRLIKRVMBGVYAAODERYR	186
QY	227	GWLLNLOHLTLGAOIGEGEFGVALOGEVLAGOVKAVNKICDVTQAQFLDETAVTKQOHE	286
Db	187	GWALNNKELKLTOTIGKGEFGDVMLDGRKNKVAVKCIKDNTAQAFLAASVMTQLRHS	246
QY	287	NLYRLGLVLIHQ--GLIYIMEHVSNGNLVNLRTGRALVYNTAOLLOPSSLHVAEGMYLE	344
Db	247	NLYOLLGVIVKEGGGLYITFEYMAAGSLVDYLRSGRVSYGDDLLKFSLDVOCFAMEYLE	306
QY	345	SKKLYHRDLAANNILVSEDLVAKVSDPGLAAERKGLDSSRLPKVMTAPALKIKGFTSK	404
Db	307	GNNFYVRDLAARNVLYSEDNVAKVSDPGLITKEASSTQDTGLPKVMTAPALIRKKKSTK	366
QY	405	SDVMSFGVLLMEVFSYGRAPYKMSLKEVSEAVEKGYMBEPPEGCPGFVHYLWSSCEAE	464
Db	367	SDVMSFGIILMEVFSYGRAPYDRIPLKDVPRVEKGYKMDAPDGCPRVAYEVYKNCWHLD	426
QY	465	PARRPPRRKLAETL 478	
Db	427	AAARRPSFLQRL 440	

RESULT 12  
 US-08-232-545-7  
 : Sequence 7, Application US/08232545  
 : Patent No. 6506578  
 : GENERAL INFORMATION:  
 : APPLICANT: Gilrich, Axel  
 : APPLICANT: Gishizsky, Mikhail  
 : APPLICANT: Sures, Irmann G.  
 : TITLE OF INVENTION: No. 6506578e1 Megakaryocytic Protein Tyrosine  
 : TITLE OF INVENTION: Kinases  
 : NUMBER OF SEQUENCES: 21  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Pennile & Edmunds

```

1 STREET: 1155 Avenue of the Americas
2 CITY: New York
3 STATE: New York
4 COUNTRY: U.S.A.
5 ZIP: 10036
6
7 COMPUTER READABLE FORM:
8 MEDIUM TYPE: Floppy disk
9 COMPUTER: IBM PC compatible
10 OPERATING SYSTEM: PC-DOS/MS-DOS
11 SOFTWARE: Patentent #1.0, Version #1.25
12 CURRENT APPLICATION DATA:
13 APPLICATION NUMBER: US/08/232,545
14 FILING DATE: 22-APR-1994
15 CLASSIFICATION: 435
16 ATTORNEY/AGENT INFORMATION:
17 NAME: Coruzzi, Laura A.
18 REGISTRATION NUMBER: 30,742
19 REFERENCE/DOCKET NUMBER: 7683-050
20 TELECOMMUNICATION INFORMATION:
21 TELEPHONE: (212)790-9090
22 TELEFAX: (212)869-9741
23 TELEX: 66141 PENNIE
24
25 INFORMATION FOR SEQ ID NO: 7:
26 SEQUENCE CHARACTERISTICS:
27 LENGTH: 450 amino acids
28 TYPE: amino acid
29 STRANDEDNESS: unknown
30 TOPOLOGY: unknown
31 MOLECULE TYPE: protein
32 US-08-232-545-7

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Query Match	46.6%	Score 1245.5	DB 4	Length 450
Best Local Similarity	54.1%	Pred NO. 5.3e-98		
Matches 235	81	Mismatches 115	Indels 3	Gaps 2

[illegible]

```

RESULT 13
PCT-US95-05008-7
; Sequence 7, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
;

```

APPLICANT: 515 Galveston Drive  
APPLICANT: Redwood City, California 94063-4720  
APPLICANT: United States of America  
APPLICANT: Missenschaften E.V.  
APPLICANT: Hofgarten Str. 2  
APPLICANT: Munchen 80539  
APPLICANT: Germany  
TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/05008  
FILING DATE: 24-APR-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/232,545  
FILING DATE: 22-APR-1994  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742  
REFERENCE/DOCKET NUMBER: 7683-074  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)790-9090  
TELEFAX: (212)869-9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 450 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
PCT-US95-05008-7

Query Match 46.6%; Score 1245.5; DB 5; Length 450;  
Best Local Similarity 54.1%; Pred. No. 5.3e-98;  
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

47 MAPGTGCTTCETTRKPELAFKRGDVTTLACENKSMYRVKHHHTSGOGLLAGAR 106  
1 WPSGTCTIAKYNHNGRAEDDLPRCKDVLIVAVTADPNYKAKKNV-GREGIIPANYVO 66  
107 EREALSADPKLSIMPWFHGKISQGEAVVQOLQPPEDGLFLVRESARHPGDVYLCSFGRDV 166  
67 KREGVAGTGRKLSIMPWFHGKITREQAERLLYPPETGLFLVRESTDYLPDVTLCVSDGKV 126  
167 IHRVLRHROGHLTIDAVFPCNLMADVHYSKDKGALCTKLVPKRRKHGKSAEELARA 226  
127 EHRIRYHASKSIDEVYFENLMQLVHEYHSDADGLCTRLKPKWEGTVAQAQDEFTSR 186  
227 GMLNLQHLTLGALGEGEFGAVLQGEYLGQKVAVNKICDVTAAQAFIDETAAMTKMOE 286  
187 GVALNKKELKLTQITGKEFGDVMGLDYGNKVAVCICNDATQAQFLAASVMTDLRHS 246  
287 NIVRLIGVLIHQ--GLYIVMEHVSQGNLVNFLTRGRALVNTAQLLOFSLHVAEGMEYLE 344  
247 NIVOLLGVIVEEGGLIYITEYMAKSLVDYLSRGRSVLGGDCLLKFSIDVCEAMEYLE 306  
345 SKKIVHRDLAARNILVSEDLVAKVSDFGLAKEERKGLDSSRLPYKWTAEALKHGFTSK 404

307 GNNFVRHDLAARNVLVSEDNVAKVSDFGLTREASSYQDGTLPKWTAEALREKKEFSK 366  
405 SDVMSFGLLMEVFSYGRAPYPKMSLKEVSEAVEKGYRMEPPGCGPYHVLMSQWEAE 464  
367 SDVMSFGLLMEVFSYGRAPYPRIPKLDVYPRVEKGYKKDAPGCPAYEVKKNWHD 426  
465 PARPPPRKLAEL 478  
427 AAMRPSFLDLREQL 440

RESULT 14  
US-08-701-191A-35  
Sequence 35, Application US/08701191A  
Patent No. 5942428  
GENERAL INFORMATION:  
APPLICANT: Moosa Mohammadi, Joseph Schlessinger,  
and Stevan R. Hubbard  
TITLE OF INVENTION: CRYSTALS OF THE TYROSINE KINASE DOMAIN  
OF NON-INSULIN RECEPTOR TYROSINE KINASE  
NUMBER OF SEQUENCES: 41  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
STREET: Suite 4700  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
MEDIUM TYPE: storage  
COMPUTER: IBM compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FASTSEQ for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/701,191A  
FILING DATE: August 21, 1996  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Warburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 327/088  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 269 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-701-191A-35

Query Match 29.8%; Score 797; DB 2; Length 269;  
Best Local Similarity 58.7%; Pred. No. 4.1e-60;  
Matches 152; Conservative 46; Mismatches 59; Indels 2; Gaps 1;

222 ELARAGMLNLQHLTLGALGEGEFGAVLQGEYLGQKVAVNKICDVTAAQAFIDETAAMT 281  
1 EFRSGMALNKKELKLTQITGKEFGDVMGLDYGNKVAVCICNDATQAQFLAASVMT 60  
282 KMQHENIVRLGLVLIHQ--GLYIVMEHVSQGNLVNFLTRGRALVNTAQLLOFSLHVAEG 339  
61 QLRHNSLVOLLGVIVEEGGLIYITEYMAKSLVDYLSRGRSVLGGDCLLKFSIDVCEA 120  
340 MEYLESKKLVHRDLAARNILVSEDLVAKVSDFGLAKEERKGLDSSRLPYKWTAEALKHG 399



Db 121 MEYLEGNNEVHRDLAARNVLVSEDNVAKVSDFGLTKFASSTODTKLPVKWTADALREK 180  
 Qy 400 KFTSKSDVMSFGVLLMEVFSYGRAPYPKMSLKEVSEAVEKGYRMEPEGCGPYPVHLMSS 459  
 181 KFTSKSDVMSFGVLLMEVFSYGRAPYPRIPDLKDVPRVEKGYMDADGCPAPVYEVYMKN 240  
 Db 460 CMEAEAPARRPPEFKLAEL 478  
 241 CWHLDAMRPSFLQRLREQL 259

RESULT 15  
 US-09-035-706-3  
 : Sequence 3, Application us/09035706  
 : Patent No. 6001622

: GENERAL INFORMATION:  
 : APPLICANT: Dedhat, Shoukat  
 : TITLE OF INVENTION: Integrin-Linked Kinase and  
 : NUMBER OF SEQUENCES: 11  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Bozicevic & Reed, LLP  
 : STREET: 285 Hamilton Avenue, Suite 200  
 : CITY: Palo Alto  
 : STATE: CA  
 : COUNTRY: USA  
 : ZIP: 94301  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Diskette  
 : COMPUTER: IBM Compatible  
 : OPERATING SYSTEM: DOS  
 : SOFTWARE: FastSeq for Windows Version 2.0  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/09/035.706  
 : FILING DATE:  
 : CLASSIFICATION:  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER:  
 : FILING DATE:  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Sherwood, Pamela J  
 : REGISTRATION NUMBER: 36,677  
 : REFERENCE/DOCKET NUMBER: KIN-2CIP1  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: 650-327-3400  
 : TELEFAX: 650 327-3231  
 : TELEX:  
 : INFORMATION FOR SEQ ID NO: 3:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 258 amino acids  
 : TYPE: amino acid  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: protein  
 : US-09-035-706-3

Query Match 28.8%; Score 768; DB 3; Length 258;  
 Best Local Similarity 58.8%; Pred. No. 1.2e-57;  
 Matches 147; Conservative 45; Mismatches 56; Indels 2; Gaps 1;

Qy 231 NLQHLITGAOIGEGEFGAVLOGEYLGOKVAVKNIKCDVTAQAFIDETAVMTKMOHENLVR 290  
 1 NMKELKLLQITIGKEFGEDVHMGDRGNKVAVKCIKNDATAOAFLAESVMTQLRHSNLVQ 60  
 Qy 291 LLAGVILHQ--GLYIVMEVSKGNLVNFLTGRALVNTAQLLOFSLHVAEGMEYLESKTL 348  
 61 LLAGVIVKEKGLVLYTEYMAKGLVDYLRSGRSVLGDDCLKPSLDVCEAMEYLEGNF 120  
 Qy 349 VHRDLAARNVLVSEDNVAKVSDFGLTKFASSTODTKLPVKWTADALREK 408  
 121 VHRDLAARNVLVSEDNVAKVSDFGLTKFASSTODTKLPVKWTADALREK 180

Qy 409 SFGVLLMEVFSYGRAPYPKMSLKEVSEAVEKGYRMEPEGCGPYPVHLMSSCWEAPARR 468  
 181 SFGVLLMEVFSYGRAPYPRIPDLKDVPRVEKGYMDADGCPAPVYEVYMKNCWHLDAMR 240  
 Qy 469 PPEFKLAEL 478  
 241 PPSFLQRLREQL 250  
 Db

Search completed: September 11, 2003, 14:15:46  
 Job time : 27 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 11, 2003, 14:13:56 ; Search time 29 Seconds  
(without alignments)  
2550.952 Million cell updates/sec

Title: US-09-977-261-2  
Perfect score: 2671  
Sequence: 1 MAGRGLSVSWRAFHGCDSAE.....PASVSGQADGSTSPRQEP 507

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 541936 seqs, 145912426 residues

Total number of hits satisfying chosen parameters: 541936

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications-AA:\*

1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
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8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*  
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16: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2671	100.0	507	US-09-977-269-2	Sequence 2, Appl1
2	2671	100.0	507	US-09-977-260-2	Sequence 2, Appl1
3	2671	100.0	507	US-09-977-261-2	Sequence 2, Appl1
4	2012	75.3	386	US-10-187-900-4	Sequence 4, Appl1
5	2012	75.3	415	US-10-187-900-2	Sequence 2, Appl1
6	1245.5	46.6	450	US-09-977-269-7	Sequence 7, Appl1
7	1245.5	46.6	450	US-09-977-260-7	Sequence 7, Appl1
8	1245.5	46.6	450	US-09-977-261-7	Sequence 7, Appl1
9	1245.5	46.6	450	US-10-059-585-42	Sequence 42, Appl1
10	1245.5	46.6	450	US-10-177-293-88	Sequence 88, Appl1
11	1245.5	46.6	450	US-10-298-377A-2	Sequence 2, Appl1
12	916	34.3	357	US-09-929-266-9	Sequence 9, Appl1
13	768	28.8	258	US-09-840-704-3	Sequence 3, Appl1
14	742.5	27.8	509	US-09-977-269-18	Sequence 18, Appl1
15	742.5	27.8	509	US-09-977-260-18	Sequence 18, Appl1

16	742.5	27.8	509	11	US-09-977-261-18	Sequence 18, Appl1
17	727	27.2	536	9	US-09-977-269-13	Sequence 13, Appl1
18	727	27.2	536	10	US-09-977-260-13	Sequence 13, Appl1
19	727	27.2	536	11	US-09-929-266-10	Sequence 10, Appl1
20	727	27.2	536	11	US-09-977-261-13	Sequence 13, Appl1
21	720.5	27.0	505	9	US-09-977-269-17	Sequence 17, Appl1
22	720.5	27.0	505	10	US-09-977-260-17	Sequence 17, Appl1
23	720.5	27.0	505	11	US-09-977-261-17	Sequence 17, Appl1
24	710	26.6	543	9	US-09-977-269-14	Sequence 14, Appl1
25	710	26.6	543	10	US-09-977-260-14	Sequence 14, Appl1
26	710	26.6	543	11	US-09-977-261-14	Sequence 14, Appl1
27	710	26.6	543	16	US-10-298-377A-4	Sequence 4, Appl1
28	707	26.5	512	9	US-09-977-269-16	Sequence 16, Appl1
29	707	26.5	512	10	US-09-977-260-16	Sequence 16, Appl1
30	707	26.5	512	11	US-09-977-261-16	Sequence 16, Appl1
31	699.5	26.2	536	9	US-09-977-269-12	Sequence 12, Appl1
32	699.5	26.2	536	10	US-09-977-260-12	Sequence 12, Appl1
33	699.5	26.2	536	11	US-09-977-261-12	Sequence 12, Appl1
34	699	26.2	499	9	US-09-977-269-19	Sequence 19, Appl1
35	699	26.2	499	10	US-09-977-260-19	Sequence 19, Appl1
36	699	26.2	499	11	US-09-977-261-19	Sequence 19, Appl1
37	698.5	26.2	537	9	US-09-977-269-11	Sequence 11, Appl1
38	698.5	26.2	537	10	US-09-977-260-11	Sequence 11, Appl1
39	698.5	26.2	537	11	US-09-977-261-11	Sequence 11, Appl1
40	695.5	26.0	537	10	US-09-771-161A-212	Sequence 212, Appl1
41	695.5	26.0	537	10	US-09-771-161A-213	Sequence 213, Appl1
42	694.5	26.0	1130	12	US-10-171-889-1	Sequence 12, Appl1
43	692	25.9	505	10	US-09-771-161A-186	Sequence 186, Appl1
44	681.5	25.5	529	9	US-09-977-269-15	Sequence 15, Appl1
45	681.5	25.5	529	10	US-09-977-260-15	Sequence 15, Appl1

ALIGNMENTS

RESULT 1  
US-09-977-269-2  
; Sequence 2, Application US/09977269  
; Patent No. US20020082037A1  
; GENERAL INFORMATION:  
; APPLICANT: ULIRICH, AXEL  
; APPLICANT: GISHIZKY, MIKHAEL  
; APPLICANT: SURES, IRMINGARD  
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES  
; FILE REFERENCE: 038602/1260  
; CURRENT APPLICATION NUMBER: US/09/977, 269  
; CURRENT FILING DATE: 2001-10-16  
; PRIOR APPLICATION NUMBER: 08/232, 545  
; PRIOR FILING DATE: 1994-04-22  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 507  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte  
; OTHER INFORMATION: Kinase 1  
; US-09-977-269-2

Query Match 100.0%; Score 2671; DB 9; Length 507;  
Best Local Similarity 100.0%; Pred. No. 1.1e-209;  
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MAGRGLSVSWRAFHGCDSAEELPRVSPRLRAWHPPVVSARMPTRMAPGTGTCICENT 60  
QY 61 RRPFGELARRKGGVVTILACENKSWRYKHNHSGDEGLAAGALREKRLSDPKLSLM 120  
DB 61 RRPFGELARRKGGVVTILACENKSWRYKHNHSGDEGLAAGALREKRLSDPKLSLM 120  
QY 121 PMFHGKISQGEAVQQLPPEDGLFLVRESARHPGDIVLCSFGROVITHYRLHRDGLFTI 180

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Db      121 PMFHGKISGQEAVALQDPEDGLFLVRESARHPGIVLCVSGRIVIHRYLHNRGHLLTI 180
Qy      181 DEAVFECNLMQMEVHEYSKDKGALCTKLVPRKRKHGTSABEELARAGWMLNLQHLTLGAQ 240
Db      181 DEAVFECNLMQMEVHEYSKDKGALCTKLVPRKRKHGTSABEELARAGWMLNLQHLTLGAQ 240
Qy      241 IGEFEGAVLOGEYLGQKVAANKIKCDVTAQAFIDETAVMTKMOHENLVRLGLVTLHGGL 300
Db      241 IGEFEGAVLOGEYLGQKVAANKIKCDVTAQAFIDETAVMTKMOHENLVRLGLVTLHGGL 300
Qy      301 YIYMEHVSAGNLVNLFTLRGRALVNTAQLLOFSLHVAAGMEYLESKKLVHRLAARNILY 360
Db      301 YIYMEHVSAGNLVNLFTLRGRALVNTAQLLOFSLHVAAGMEYLESKKLVHRLAARNILY 360
Qy      361 SEDLVAKVSDFGLAKEERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
Db      361 SEDLVAKVSDFGLAKEERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
Qy      421 GRAPYPKMSLKEVSAVEKGYRMEPECCPGVHVHLMSSCWEAEARPPPRKLAEKLAR 480
Db      421 GRAPYPKMSLKEVSAVEKGYRMEPECCPGVHVHLMSSCWEAEARPPPRKLAEKLAR 480
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Db      481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
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## RESULT 2

US-09-977-260-2

Sequence 2, Application US/09977260

Publication No. US20020192790A1

GENERAL INFORMATION:

APPLICANT: ULIRICH, AXEL

APPLICANT: GISHIZKY, MIKHAIL

APPLICANT: SURES, IRMINGARD

TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES

FILE REFERENCE: 038602/1260

CURRENT APPLICATION NUMBER: US/09/977,260

CURRENT FILING DATE: 2001-10-16

PRIOR APPLICATION NUMBER: 08/232,545

PRIOR FILING DATE: 1994-04-22

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 507

TYPE: PRT

ORGANISM: Unknown Organism

FEATURE: Description of Unknown Organism: Megakaryocyte

OTHER INFORMATION: kinase 1

US-09-977-260-2

Query Match 100.0%; Score 2671; DB 10; Length 507;

Best Local Similarity 100.0%; Pred. No. 1,1e-209;

Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 MAGRGSLSVSWRAFHGCDSEAEELPRVSPRFLRAMHPVVSARMPTRRMAPGTQCITKCEHT 60
Qy      61 RPKPELAFRRKGDVVTILEACENKSWYRKHTTSQOEBLLAAGALREBEALSADPKLSLM 120
Db      61 RPKPELAFRRKGDVVTILEACENKSWYRKHTTSQOEBLLAAGALREBEALSADPKLSLM 120
Qy      121 PMFHGKISGQEAVALQDPEDGLFLVRESARHPGIVLCVSGRIVIHRYLHNRGHLLTI 180
Db      121 PMFHGKISGQEAVALQDPEDGLFLVRESARHPGIVLCVSGRIVIHRYLHNRGHLLTI 180
Qy      181 DEAVFECNLMQMEVHEYSKDKGALCTKLVPRKRKHGTSABEELARAGWMLNLQHLTLGAQ 240
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Qy      241 IGEFEGAVLOGEYLGQKVAANKIKCDVTAQAFIDETAVMTKMOHENLVRLGLVTLHGGL 300
Db      241 IGEFEGAVLOGEYLGQKVAANKIKCDVTAQAFIDETAVMTKMOHENLVRLGLVTLHGGL 300
Qy      301 YIYMEHVSAGNLVNLFTLRGRALVNTAQLLOFSLHVAAGMEYLESKKLVHRLAARNILY 360
Db      301 YIYMEHVSAGNLVNLFTLRGRALVNTAQLLOFSLHVAAGMEYLESKKLVHRLAARNILY 360
Qy      361 SEDLVAKVSDFGLAKEERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
Db      361 SEDLVAKVSDFGLAKEERKGLDSSRLPVKMTAPEALKHGKFTSKSDVMSFGVLLMEVFSY 420
Qy      421 GRAPYPKMSLKEVSAVEKGYRMEPECCPGVHVHLMSSCWEAEARPPPRKLAEKLAR 480
Db      421 GRAPYPKMSLKEVSAVEKGYRMEPECCPGVHVHLMSSCWEAEARPPPRKLAEKLAR 480
Qy      481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
Db      481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
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## RESULT 3

US-09-977-261-2

Sequence 2, Application US/09977261

Publication No. US20030054527A1

GENERAL INFORMATION:

APPLICANT: ULIRICH, AXEL

APPLICANT: GISHIZKY, MIKHAIL

APPLICANT: SURES, IRMINGARD

TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES

FILE REFERENCE: 038602/1259

CURRENT APPLICATION NUMBER: US/09/977,261

CURRENT FILING DATE: 2001-10-16

PRIOR APPLICATION NUMBER: 08/232,545

PRIOR FILING DATE: 1994-04-22

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 507

TYPE: PRT

ORGANISM: Unknown Organism

FEATURE: Description of Unknown Organism: Megakaryocyte

OTHER INFORMATION: kinase 1

US-09-977-261-2

Query Match 100.0%; Score 2671; DB 11; Length 507;

Best Local Similarity 100.0%; Pred. No. 1,1e-209;

Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB       421 GRAPYPKMSLKEVSEAEVKGYRMBPECCPGPVHYVLSSCWEAEPARRPPRKLAELIAR   480
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OY      481 ELRSAGAPASVSGODADGSTSPROEOP    507
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Db       481 ELRSAGAPASVSGODADGSTSPROEOP    507
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RESULT 4
US-10-187-900-4 ; Sequence 4, Application US/10187900
                ; Publication No. US20030166221A1
GENERAL INFORMATION:
; APPLICATION: BEASLEY, Ellen M. et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CLO01061
; CURRENT APPLICATION NUMBER: US/10/187,900
; CURRENT FILING DATE: 2002-07-03
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 386
TYPE: PRT
ORGANISM: Human
US-10-187-900-4
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Query Match          75.3%; Score 2012; DB 12; Length 386;
Best Local Similarity 100.0%; Pred. No. 4.7e-156;
Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB       1  WFGKISQOEAVVOOLQPPEDDLFTVRESARHPGDVLCVSFGRDVYHRYVLAHRDGHLTID 60

OY      182  EAVFPCNIMDVEHYSKDKGAICTKLVPRKRKHGKTSAEELARAGWLLNQHLLTGAOI 241
        |||||||
DB       61  EAVFPCNIMDVEHYSKDKGAICTKLVPRKRKHGKTSAEELARAGWLLNQHLLTGAOI 120

OY      242  GEGEGAVLQGEYLGOKAVANKICDVTQAQAFDETAVMTKQEHNVYRLGLVILHGLY 301
        |||||||
DB       121  GEGEGAVLQGEYLGOKAVANKICDVTQAQAFDETAVMTKQEHNVYRLGLVILHGLY 180

OY      302  IVMEHVSNGNLVNFRTGRALVMTQAOLQSLHVAEGMEYLTESKILVHRDLAARNITVS 361
        |||||||
DB       181  IVMEHVSNGNLVNFRTGRALVMTQAOLQSLHVAEGMEYLTESKILVHRDLAARNITVS 240

OY      362  EDLVAKVSDFGILAKAERKGLDSSRLPVWTAPEALKHGKFTSKSDVMSFGVLLMEVFSYG 421
        |||||||
DB       241  EDLVAKVSDFGILAKAERKGLDSSRLPVWTAPEALKHGKFTSKSDVMSFGVLLMEVFSYG 300

OY      422  RAPIPKMSLKEYSEAVEKGYRMEPEEGCPGVYHVLMSSCWEAEAPARRPPFKLAEKLARE 481
        |||||||
DB       301  RAPIPKMSLKEYSEAVEKGYRMEPEEGCPGVYHVLMSSCWEAEAPARRPPFKLAEKLARE 360

OY      482  LRSAGAPASVSGODADGSTSPRSOEP 507
        |||||||
DB       361  LRSAGAPASVSGODADGSTSPRSOEP 386

RESULT 5
US-10-187-900-2
; Sequence 2, Application US/10187900
; Publication No. US20030166221A1
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, Ellen M. et al

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; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CLO01061
; CURRENT APPLICATION NUMBER: US/10/187,900
; CURRENT FILING DATE: 2002-07-03
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Human
; US-10-187-900-2

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Query Match	75.3%;	Score 2012;	DB 12;	Length 415;
Best Local Similarity	100.0%;	Prod. No. 5,1e-156;		
Matches	386;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
OY	122	WFHGKISGQEAVALQDPEDGLFVRESARHGDYVLCVSFGRDVINYHVLNRHGHLLTID	181	
Db	30	WFHGKISGQEAVALQDPEDGLFVRESARHGDYVLCVSFGRDVINYHVLNRHGHLLTID	89	
OY	182	EAVEFCNLMQVVEHYSKDKGALCTKLVKPKRHGKTSAEELRAGWLLNQHLLTGAOI	241	
Db	90	EAVEFCNLMQVVEHYSKDKGALCTKLVKPKRHGKTSAEELRAGWLLNQHLLTGAOI	149	
OY	242	GEGEFGVALQGEYLGQAKVANNICQDYTAQAFLEDTAMTKMOHENLVRLLGVLLHQLY	301	
Db	150	GEGEFGVALQGEYLGQAKVANNICQDYTAQAFLEDTAMTKMOHENLVRLLGVLLHQLY	209	
OY	302	IVMEHVSKGNTLVNLFRTGRALVNTAQLLOFSLHVABSMEYLESKLVHRLDAARNILVS	361	
Db	210	IVMEHVSKGNTLVNLFRTGRALVNTAQLLOFSLHVABSMEYLESKLVHRLDAARNILVS	269	
OY	362	EDLVAKVSDFGLAERKGLDSSRLPYKWTAPDALKHGKFTPSKSDVMSFGVLLMEVFSYG	421	
Db	270	EDLVAKVSDFGLAERKGLDSSRLPYKWTAPDALKHGKFTPSKSDVMSFGVLLMEVFSYG	329	
OY	422	RAPYPKMSLKEVSEAVEKGYRMEPPEGCGPVEVHVLMSSCWEAEPARRPPFKLLAEKLARE	481	
Db	330	RAPYPKMSLKEVSEAVEKGYRMEPPEGCGPVEVHVLMSSCWEAEPARRPPFKLLAEKLARE	389	
OY	482	LRSAGAPASVSGQDADGSTRSQDEP	507	
Db	390	LRSAGAPASVSGQDADGSTRSQDEP	415	

```

RESULT 6
US-09-977-269-7
; Sequence 7, Application US/09977269
; Patent No. US20020082037A1
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, AXEL
; APPLICANT: GISHICKY, MIKHAIL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977,269
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-269-7

Query Match          46.6%; Score 1245.5; DB 9; Length 450;
Best Local Similarity 54.1%; Pred. No. 2.le-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

```



QY 465 PARPPFRKIAEKL 478  
Db 427 AAMRPSFLDLEQL 440

## RESULT 9

US-10-059-585-42  
Sequence 42, Application US/10059585  
Publication No. US2003008276A1  
GENERAL INFORMATION:  
APPLICANT: Ota, Toshio  
APPLICANT: Isogai, Takao  
APPLICANT: Nishikawa, Tetsuo  
APPLICANT: Hayashi, Koji  
APPLICANT: Otsuka, Kaoru  
APPLICANT: Yamamoto, Jun-ichi  
APPLICANT: Ishii, Shizuko  
APPLICANT: Sugiyama, Tomoyasu  
APPLICANT: Wakamatsu, Ai  
APPLICANT: Nagai, Keiichi  
APPLICANT: Otsuki, Tetsuji  
APPLICANT: Funahashi, Shin-ichi  
APPLICANT: Senoo, Chiaki  
APPLICANT: Nezu, Jun-ichi  
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN  
FILE REFERENCE: KINASE/PROTEIN PHOSPHATASE  
CURRENT FILING DATE: 2002-01-29  
PRIOR APPLICATION NUMBER: US/10/059,585  
PRIOR FILING DATE: 2000-07-28  
PRIOR APPLICATION NUMBER: US 60/183,322  
PRIOR FILING DATE: 2000-02-17  
PRIOR APPLICATION NUMBER: US 60/159,590  
PRIOR FILING DATE: 1999-10-18  
PRIOR APPLICATION NUMBER: JP 2000-118776  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: JP 2000-183767  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: JP 11-248036  
PRIOR FILING DATE: 1999-07-29  
NUMBER OF SEQ ID NOS: 64  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 42  
LENGTH: 450  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-059-585-42

Query Match 46.6%; Score 1245.5; DB 15; Length 450;  
Best Local Similarity 54.1%; Pred. No. 2,1e-93;  
Matches 225; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGQCITKCEHTRPKPELAFRKGDVYITLACENKSMYRYKHHHTSQOEGILLAGALR 106  
Db 8 WPSGECIAKYNFHGTAEODLPFCCKGDVLTIVAVTKDPWYAKKNV-GREGIIPANYVO 66  
QY 107 EREALSADPKLSLMPFHGKISGOEAVOOLPPEGLFLVRESARRHGDVYLCVSGRGV 166  
Db 67 KREGVAKGKTLMPFHGKIRREOERLLYPPETGLFLVRENTNPGDYTLICVSCDGRV 126  
QY 167 IHRYVLHRDGHLLIDEAFECNLMDEVHYSKDKGAICTKLVPRKRGHSTKSAEELARA 226  
Db 127 EHYRIYHASKLSIDBEVYFENLMQVVEHTSDAOLCTRLIKPKVMEGTVAQAODEFYRS 186  
QY 227 GULLNLQHTLTGAQOGEFEGAVLQGEYIGOVAVAKNICDVTAQAFLEDETAVMTKQHE 286  
Db 187 GVALNMKELKLTQITGKGEFGDVMLGDRGNKVAVKICINDDATAQAFLEASVMQLRHS 246  
QY 287 NIVRLIGVLIHQ--GLYIYMEHVSNGNLVNLRTGRBALVNTAQLLOFSLHAEGEYYLE 344  
Db 247 NIVOLLGVLVEERGGILYIYETMAKGSVDVILNSRGRSVLGDCCLTKFLSDVCEAMEYLE 306

QY 345 SKKLVRDLAARNILVSEDLVAKVSDGLAKARRKGLDSSRLPVKWTAPALKHGFTSK 404  
Db 307 GNNFVRDLAARVNLVSEDEVAVKSDPGLTKKASSYQDITCKLTVKMTAPALKEKFTSK 366  
QY 405 SDVWSFGVLLMEVFSYGRADYPRKMSLKEVSEAVEKGRMEPPRCGQPVHVLSSCWEAE 464  
Db 367 SDVWSFGVLLMEVFSYGRADYPRIPKLDVYPRVEKGYKMDAPGCPVAYEVKNCWHLD 426  
QY 465 PARPPFRKIAEKL 478  
Db 427 AAMRPSFLDLEQL 440

## RESULT 10

US-10-177-293-88  
Sequence 88, Application US/10177293  
Publication No. US20030124128A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Glatf, Karen  
APPLICANT: Zhao, Xumei  
APPLICANT: Gannavarpu, Manjula  
APPLICANT: Kamackar, Shubhangl  
APPLICANT: Mertens, Maureen  
APPLICANT: Myer, Vic  
APPLICANT: Wang, Youzhen  
APPLICANT: Xu, Yongyao  
APPLICANT: Hoersch, Sebastian  
APPLICANT: Monahan, John  
APPLICANT: Meyers, Rachel E.  
APPLICANT: Bast Jr., Robert C.  
APPLICANT: Hortobagyi, Gabriel N.  
APPLICANT: Pusztai, Lajos  
APPLICANT: Meric, Funda  
APPLICANT: Sahin, Aysegul  
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT  
FILE REFERENCE: PREVENTION, AND THERAPY OF BREAST CANCER  
CURRENT APPLICATION NUMBER: US/10/177,293  
CURRENT FILING DATE: 2002-06-21  
PRIOR APPLICATION NUMBER: US 60/299,887  
PRIOR FILING DATE: 2001-06-21  
PRIOR APPLICATION NUMBER: US 60/301,572  
PRIOR FILING DATE: 2001-06-27  
PRIOR APPLICATION NUMBER: US 60/306,501  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: US 60/325,002  
PRIOR FILING DATE: 2001-09-25  
PRIOR APPLICATION NUMBER: US 60/362,585  
PRIOR FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
PRIOR FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 506  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 88  
LENGTH: 450  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-177-293-88

Query Match 46.6%; Score 1245.5; DB 15; Length 450;  
Best Local Similarity 54.1%; Pred. No. 2,1e-93;  
Matches 225; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGQCITKCEHTRPKPELAFRKGDVYITLACENKSMYRYKHHHTSQOEGILLAGALR 106  
Db 8 WPSGECIAKYNFHGTAEODLPFCCKGDVLTIVAVTKDPWYAKKNV-GREGIIPANYVO 66  
QY 107 EREALSADPKLSLMPFHGKISGOEAVOOLPPEGLFLVRESARRHGDVYLCVSGRGV 166  
Db 67 KREGVAKGKTLMPFHGKIRREOERLLYPPETGLFLVRENTNPGDYTLICVSCDGRV 126

Oy	167	HYRVLHNDGHLTTIDEAEPFCMLMMVEHYSKDKALICPKLVPRKRNHOTTKSAAEEELAA	226
	127	EHYRIMYASKSIIDEVEYFENMLDVEHYTISDADGCLRLIKPKMEGTVAADDEFYHS	186
Oy	227	GMLTLQHLITGAOIGEEGEFAGVLGGEYIGQYVAANKICDVTAAQAFIDETFAVMTQHE	286
Oy	187	GMLNMLKELKLQTTIGKEFEFGYMLGDRGNKVAAYKCIKNDATAQAFLAASVMTDRIS	246
Oy	287	NLVRLLGVILHQ--GLYITMEHVSKGNLVNPLRTGRALVNTAOLFSLHYAEGMEYLE	344
Oy	247	NLVQGLGVIVEEKGGLYITVEYMAAGSLVYDYLRSGRSVLTGGDDCLKFLSDVCEANEYLE	306
Oy	345	SKLVHRDLAARNITVSEDLVAKVSDFLGAKAEKRGDSSRLPVKMTAPDALKHGFYTSK	404
Oy	307	GNNFPHRDLAARNVLYSEDNVAKVSDFLGTKEASSDTODGKLPVKMTAPDALREKFFSTK	366
Oy	405	SDVMSFGVLIMVEFVSYGRAPYPMKSLKEVSEAVEKGYRMREPPDGCGEPVHYLMSCWEAE	464
Oy	367	SDVMSFEGILLMEIYSEFGRVPRIPRLKDVPYVEKGYKMDADGCPRAYVEYWKNCMHD	426
Oy	465	PARPPFRKLAEKL	478
Oy	427	AAARPSFQLREQL	440

```

RESULT 11
US-10-298-377A-2
; Sequence 2, Application US/10298377A
; Publication No. US20030130209A1
GENERAL INFORMATION:
; APPLICANT: The Scripps Research Institute
; APPLICANT: Cheresif, David A.
; APPLICANT: Paul, Robert
; APPLICANT: Eliceiri, Brian
TITLE OF INVENTION: Method of Treatment of Myocardial
TITLE OF INVENTION: Infarction
FILE REFERENCE: TSRI-651.5
CURRENT APPLICATION NUMBER: US/10/298,377A
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: 10/298,377
PRIOR FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: 09/470,881
PRIOR FILING DATE: 1999-12-22
PRIOR APPLICATION NUMBER: 09/538,248
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: PCT/US99/11780
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/087,220
PRIOR FILING DATE: 1998-05-29
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 450
TYPE: PRT
ORGANISM: homo sapiens
US-10-298-377A-2

```

[illegible]

Oy	22	GWLLNLOHTLGAQIGEGEFGAVLOGEVLAGOVAAKNTKCVPTAOAFLDEPAVAKJONE	286
Dd	187	GMALNKNEKLLOT IKRGEGDVMADYRGNKVAAKCITKDATYDAOAFLEASVTOTLRHS	246
Oy	287	NLVRLGLVLH--GLYIMEHVSKGMLVNLRTGRALVNTAOLLDFSLHAEGMEYLE	344
Dd	247	NLYOLGGIVIEERGGLYITEYEMAGKSVDYDRSGRSVLGDCLLFESLDVCAMEYLE	306
Oy	345	SKTLVRNDLAARIIIVSEDLVAKVSDPGLAKKERGCDSRLRPVKMTAPREALYIKGETSK	404
Dd	307	GNNFNRHDLAARNVLSSEDNVAKVSDFGLTKRASSTODTGKLPVKMTAPREALYIKKSTK	366
Oy	405	SDVWSFGVLLIEMEVSYGRAPIPKMSLKVESEAVEKEGYMRBPESCPGVNYHLASSCEAE	464
Dd	367	SDVWSFGILLIEMEVSFGRVPRIPRIPLKDVPREVEKEGYMDARDSCPAUVEVUKMCHND	426
Oy	465	PARRPPRKLAET 478	
Dd	427	AAMRPSTQLDRBL 440	

```

RESULT 12
US-09-929-266-9
; Sequence 9, Application US/09929266
; Publication No. US20030045694A1
; GENERAL INFORMATION:
; APPLICANT: Brian T. Chait
; APPLICANT: Darin R. Latimer
; APPLICANT: Paul M. Lizardi
; APPLICANT: Eric R. Kerishnar
; APPLICANT: Jon S. Morrow
; APPLICANT: Matthew E. Roth
; APPLICANT: Martin J. Mattessich
; APPLICANT: Kevin J. McConnell
; TITLE OF INVENTION: ULTRA-SENSITIVE DETECTION SYSTEMS
; FILE REFERENCE: 01173.000302
; CURRENT APPLICATION NUMBER: US/09/929,266
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 60/224,939
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: 60/283,498
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ. ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 357
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-929-266-9

```

[illegible]





```

QY 125 GKISQEAVOQLQPPED--GLFLVRESARHPGDIYLCV----SPGRDVIHYRVJLHRD-G 176
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 130 KNLSPKDAEROLLAPGNTHGSFLIRESESTAGSFSLSVDFDQNOGEVVKHYKIRNLNDG 189
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 177 HLTIDEAVFPCNLMMVEHYSKDKGACIKLVRPKRKHGTSAEELARAGLNLNQHLT 236
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 190 GFYISPRITFPGLHFLVHRHTNASDGLCTRLSRPCQ--TQKPKQPMWEDEWEVPRETIK 246
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 237 LGAQIGEGEFQAVLQGEYLGQ-KVAVKNIK-CDVTAQAFLDETAVMTKQHENVRLILGV 294
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 247 LYERLQAGQFGEVMMGYNGHTKVAVKSLQGSMSPDALFLANLMLKQLOHQRVRLYAV 306
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 295 ILHGLIYVMEHYSKGNLVNLTIRGRALVNTAQLLOFSLHVAEGNEYLESKKLVHRDLA 354
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 307 VTQEPYIYITEYMENGSIVDFLKTPTSGIKLTINKLLDMAAQIAEGMAFTEERNYIHRDLR 366
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 355 ANNIIVSEDLVAKVSDFGIACA---ERKGLDSSRLPVKWTAPDALKHGKFTSKSDVWSF 410
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 367 ANNIIVSDPLSKLIADFGIARLIEDNEYTAREGAKFPIKWTAPDAIINGTFTIKSDVWSF 426
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 411 GVLMEVFSYGRAPYPKMSLKEVSDAVEKGYRMEPEGCGPVHYLSSCWPEAEPAARRPP 470
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 427 GILLFEIYTHGRIPYFGMTNPEVIONLERGYRMVRPDCPEELYOLMLRLCWKKEPEDRPT 486
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 471 FRKLAEKL 478
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 487 FDYLRSVL 494
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

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Search completed: September 11, 2003, 14:15:15  
 Job time : 31 secs